

ABSTRACT

The corn harvesting unit and the attachment modifications for connection to the threshing unit provide an improved flow of material from the row to the threshed grain in the combine. These modifications of structure and the resultant spatial changes to the variety of the conveying systems used from the row to the grain tank of the combine result in a novel and more efficient harvesting machine. The spatial relationship between the powered and the un-powered conveying systems moving in different directions permits improved flow and flow rates reducing plugging and power consumption. Material is lifted through a lesser angle of the inclined plane from the ground to thresher unit. In operation a smooth uninterrupted flow of material from the row unit to the cross auger through the dead space (energy wise) to the retrieving area of the feeder house is provided for.